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Arash Outadi

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Experience

Engineering Co-op Student **Andritz Ltd.** **Aug 2016 - Dec 2016**

- Using SAP API and VBA created a suite of Excel tools that was used by all Project Managers at the Andritz Delta Service center and saved them 10 hours every week
- Developed Python database app with SQLite to reduce time searching for SAP materials by 50%

Data Analyst Intern **Canadian Logistics** **Dec 2015 - Sep 2016**

- Replaced manual processes with Python to efficiently consolidate all daily incoming data, saving 2 hours per day
- Improved hiring practices by analyzing compiled data to demonstrate the low retention rates associated with hiring through labor agencies
- Utilized Excel pivot tables to summarize, categorize, and present data allowing the owner to make informed decisions about company operations

Education

Vancouver, BC **University of British Columbia** **Sep 2013 - Apr 2018**

- Bachelor of Applied Science in Mechanical Engineering GPA: 3.6/4.33

Projects

- **JobBot** (Github) *Python, Selenium, XPath, NLP,*
  Robot that automatically searches for jobs using the Indeed API and applies to them using NLP to generate relevant cover letters.
- **Strength Journal** (Google Play Store) (Github) *Kotlin, Java, XML, SQLite,*
  An Android workout tracker that let's you jump straight into recording your exercises
- **Element Eraser** (Chrome Web Store) (Github) *JavaScript, Chrome API, HTML, CSS,*
  A chrome extension that automatically removes any content that the user does not want to see. Furthermore users can save multiple profiles for any website
- **Blob Combat Simulation** (Github) *C++, SFML, QtCreator, Eigen,*
  Developed a simulation where 'blobs' evolve to fight using neural networks and different genetic selection algorithms
- **Water Jet Propelled Vehicle** (Portfolio Link) *C, MATLAB, SolidWorks, 3D Printing,*
  Built a water-jet propelled RC car that came 1st place out of 20 teams in competition, scoring major points for a time marching simulation that predicted vehicle kinematics to within 12% accuracy
- **Improved UBC Transcript** (Github) *Python, Flask, JavaScript,*
  A JavaScript bookmarklet that users can easily click to enhance the unofficial UBC Transcript by removing clutter and adding course information to grades. Retrieves information from web app with REST API